

(19) World Intellectual Property  
Organization  
International Bureau



(43) International Publication Date  
7 April 2005 (07.04.2005)

PCT

(10) International Publication Number  
**WO 2005/030161 A1**

(51) International Patent Classification<sup>7</sup>: **A61K 7/48**

(21) International Application Number:  
PCT/KR2004/002517

(22) International Filing Date: 1 October 2004 (01.10.2004)

(25) Filing Language: Korean

(26) Publication Language: English

(30) Priority Data:  
10-2003-0068932 2 October 2003 (02.10.2003) KR  
10-2004-0075864 22 September 2004 (22.09.2004) KR

(71) Applicant (for all designated States except US): **DOOSAN CORPORATION** [KR/KR]; 18-12, 6th St., Ulchi-ro, Chung-gu, Seoul, 100-730 (KR).

(72) Inventors; and

(75) Inventors/Applicants (for US only): **PARK, Changseo** [KR/KR]; 710-401, Joogong-Apartment, Byulyang-dong, Gwachon-city, Gyonggi-do, 427-733 (KR). **KIM, Sunki** [KR/KR]; 302-402, Hanshin-Apartment, Jamwon-dong, Seocho-gu, Seoul, 137-030 (KR). **KIM, Jinwook** [KR/KR]; 102-306, Hankook-Apartment, Poongduckcheon-dong, Yongin-city, Gyonggi-do, 449-767 (KR). **KANG, HyeongJoon** [KR/KR]; 422-302, Byuksan-Apartment, Jeongja-dong, Jangan-gu, Soowon-city, Gyonggi-do, 440-300 (KR). **HAN, Bokyoung** [KR/KR]; 2-201, Keukdong-Apartment, Garak-dong, Songpa-gu, Seoul, 138-743 (KR). **LEE, Younggon** [KR/KR]; 219-6, Godeung-dong, paldal-gu, Soowon-city, Gyonggi-do, 442-883 (KR). **CHUNG, Soyoung** [KR/KR]; 101-706,

Hyundai-Apartment, Seonhwa-dong, Joong-gu, Daejeon-city, 301-050 (KR). **CHOI, Wangkeun** [KR/KR]; 101-709, Dongnam-town, Jeongja-1-dong, Jangan-gu, Soowon-city, Gyonggi-do, 440-301 (KR). **NAM, Sang June** [KR/KR]; 328-508, Hanyang-Apartment, Seohyun-dong, Boondang-gu, Seongnam-city, Gyonggi-do, 463-050 (KR).

(74) Agent: **KIM, Sun-young**; Korea Coal Center, 10th Floor, 80-6, Susong-Dong, Chongro-Ku, Seoul 110-727 (KR).

(81) Designated States (unless otherwise indicated, for every kind of national protection available): AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BW, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, EG, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NA, NI, NO, NZ, OM, PG, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, SY, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM, ZW.

(84) Designated States (unless otherwise indicated, for every kind of regional protection available): ARIPO (BW, GH, GM, KE, LS, MW, MZ, NA, SD, SL, SZ, TZ, UG, ZM, ZW), Eurasian (AM, AZ, BY, KG, KZ, MD, RU, TJ, TM), European (AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IT, LU, MC, NL, PL, PT, RO, SE, SI, SK, TR), OAPI (BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG).

Published:

— with international search report

For two-letter codes and other abbreviations, refer to the "Guidance Notes on Codes and Abbreviations" appearing at the beginning of each regular issue of the PCT Gazette.

(54) Title: COMPOSITION FOR PROTECTING SKIN

(57) Abstract: Disclosed are a composition for protecting skin and uses thereof. The composition comprises sphingomyelin as an active ingredient and protects the skin by inhibiting skin aging, treating a skin wound and improving a skin barrier.

WO 2005/030161 A1